TEMALAC AB MIO

DESCRIPTION
A micaceous iron ore pigmented (MIO), alkyd paint.

PRODUCT FEATURES AND RECOMMENDED USES
- An intermediate or top coat in alkyd based systems for steel surfaces exposed to exterior weathering.
- Due to the micaceous iron ore pigment forms a tough, durable film with an excellent intercoat adhesion and overcoating characteristics.
- Application also by brush.
- Recommended for bridges, storage tank exteriors, structural steel and other steelwork.

TECHNICAL DATA

Volume solids 48 ± 2 %.
Density 1.3 kg/litre.
Product code 610 0306

<table>
<thead>
<tr>
<th>Film thickness</th>
<th>Theoretical coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>wet</td>
<td>dry</td>
</tr>
<tr>
<td>application range</td>
<td>80 - 120 µm</td>
</tr>
<tr>
<td>typical</td>
<td>100 µm</td>
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</tbody>
</table>

Practical coverage depends on the application method, painting conditions, and the shape and roughness of the surface to be coated.

Drying time

<table>
<thead>
<tr>
<th>DFT 50 µm</th>
<th>+ 10 °C</th>
<th>+ 23 °C</th>
<th>+ 35 °C</th>
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</thead>
<tbody>
<tr>
<td>Dust dry</td>
<td>6 h</td>
<td>3 h</td>
<td>2 h</td>
</tr>
<tr>
<td>Touch dry</td>
<td>10 h</td>
<td>6 h</td>
<td>4 h</td>
</tr>
<tr>
<td>Recoat.</td>
<td>24 h</td>
<td>16 h</td>
<td>12 h</td>
</tr>
</tbody>
</table>

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

Thinner
Thinner 1054 (slow) or Thinner 1006 (fast).

Cleaning of equipment
Thinner 1054 or Thinner 1006.

Finish
Semimatt.

Colours
Grey.
TEMALAC AB MIO

APPLICATION DETAILS

Surface preparation

Primed surfaces: Remove oil, grease, salt and other contaminations with a suitable detergent. Rinse thoroughly with fresh water and allow to dry. Touch up damages in the primer coat (ISO 12944-4).

Primer

TEMAPRIME AB, TEMAPRIME EE and TEMAPRIME AB EXTRA.

Finish

TEMALAC AB MIO and TEMALAC AB 70.

Application conditions

All surfaces must be dry. The temperature of the ambient air, surface or paint should not fall below +5°C / 41 °F during application or drying. Relative humidity should not exceed 80 %. The surface temperature of the steel should remain at least 3°C / 5 °F above the dew point.

Application

By airless or conventional spray. Mix the paint thoroughly before use. At airless spray the paint should be thinned 0 - 10 %. Airless spray nozzle tip 0.013" - 0.017"; spray angle shall be chosen according to the shape of the object. At conventional spray the paint should be thinned 20 - 30 % to a viscosity of 20 - 30 s DIN 4.

VOC

The Volatile Organic Compounds amount to 420 ± 20 g/ litre of paint.

HEALTH AND SAFETY

At all times observe precautionary notices on containers. Further information about hazardous influences and protection against those are described in Safety Data Sheet.

A health and safety data sheet is available on request from Tikkurila Coatings OY.

As a general rule, avoid inhalation and skin contact and provide sufficient ventilation. Splashes on skin have to be washed off immediately. Splashes in eyes, rinse with plenty of water and consult a medical centre if the irritation continues.

For professional use only.